

Accessories

S260, S270 & S280



S2-BM1

Electrical accessories	Catalog number	List price	Delivery class	Suggested order quantities	Wgt. oz. (1 pc.)
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Undervoltage release

For field mounting, left or right side

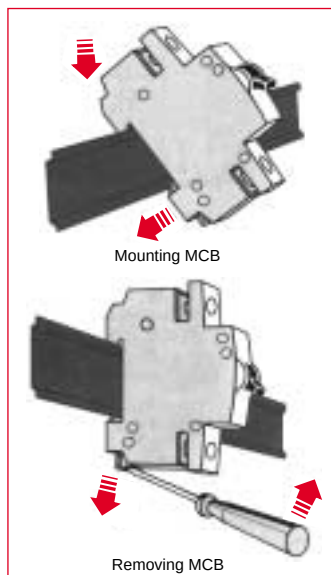
12 VDC	S2-BM1				
24 VAC/VDC	S2-BM2				
48 VAC/VDC	S2-BM3				
110 VAC/VDC	S2-BM4	216	A	1	5.2
220 VAC/VDC	S2-BM5				
380 VAC	S2-BM6				

When control voltage drops below approximately 50% of rated voltage, the S2-BM opens the breaker. The breaker can not be operated unless proper control voltage is first applied to the UVR coil. Similar in size and mounting to the shunt trip accessory; can be left or right side mounted.

Technical data

Mounting and operating instructions

System
Pro M



Mounting

Universal mounting position using snap-on mounting to standard 35x7.5mm DIN rail.

Miniature circuit breakers (MCBs) can also be mounted to front of door using a panel cut-out with breaker handle protruding through panel opening for external operation. Special front mounting kit type ME is available (see page 2.12).

Connection

Terminals are suitable for solid or flexible conductors from 18 to 4 AWG (0.75 to 25mm²) with no busbar connected. When maximum busbar size of 36 mm² is used, maximum cable is 6 AWG (16 mm²).

Maximum tightening torque of 17.5 in-lb (2 Nm) for line/load terminals and 4.5 in-lb (0.5Nm) for accessory device terminals.

Operation

MCBs are switched on by moving the handle to the upper position. Stamped onto the handle switch, a "I" is visible confirming that the breaker is closed.

The MCBs are "trip-free," if the handle is being forced to the "ON" position, the breaker will still trip under fault conditions.

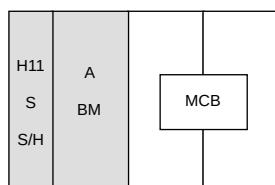
The "O" marking indicates that the breaker is in the "OFF" position. The MCB is now open and the load is disconnected from line power.

When a breaker has tripped, the MCB handle should first be set to the full "OFF" position to make certain the trip mechanism has been reset. Once the fault has been determined and cleared the MCB can again be switched "ON".

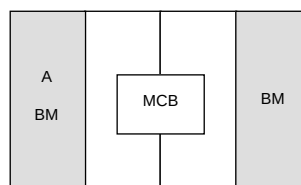
Maintenance

ABB miniature circuit breakers require no special maintenance; only normal electrical system maintenance procedures are required.

Possible mounting arrangements of MCB accessories

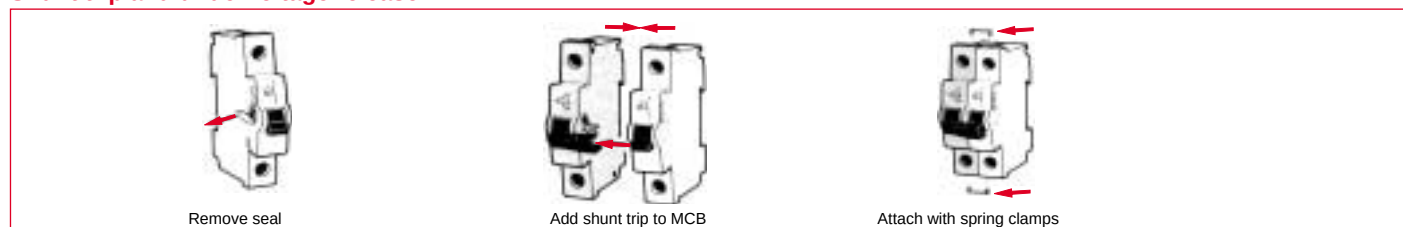


Shunt trip or undervoltage release mounted with auxiliary switch



Shunt trip and/or undervoltage release

Shunt trip and undervoltage release

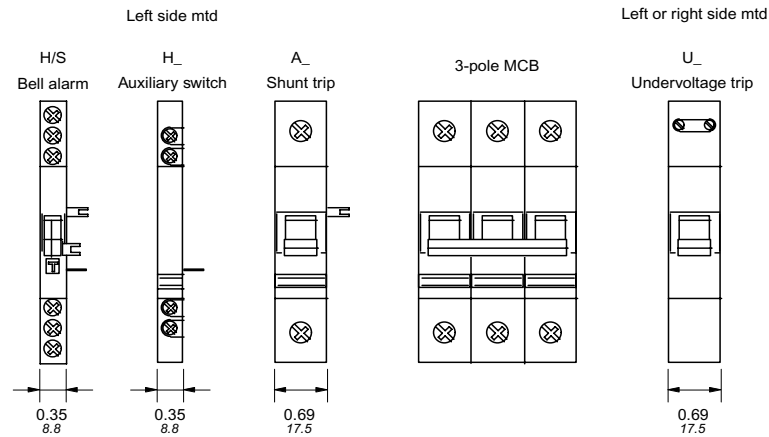


Approximate dimensions Accessories

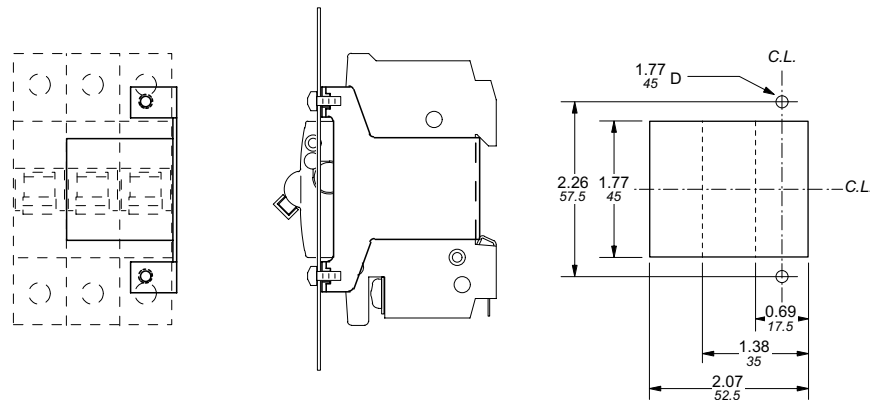
System
Pro M

00.00 → Inches
00.00 [Millimeters]

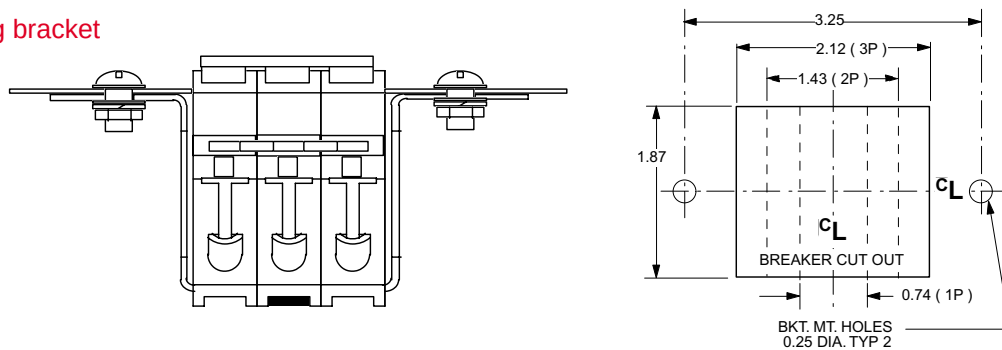
Accessories



MB-CL Front mounting clip



MB-3PD Front mounting bracket



RHS2-M Handle mechanism

